

Message Text

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ACTION OES-09

INFO OCT-01 EUR-12 ISO-00 ACDA-12 CIAE-00 INR-10 IO-14
L-03 NSAE-00 NSC-05 EB-08 NRC-07 SOE-02 DODE-00
SS-15 SP-02 CEQ-01 PM-05 OIC-02 AF-10 ARA-14
EA-12 NEA-10 /154 W
-----010582 211504Z /45

R 211424Z JUL 78
FM AMEMBASSY VIENNA
TO SECSTATE WASHDC 7279
INFO USDOEHQ WASHDC
USDOEHQ GERMANTOWN

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USIAEA

DEPT PASS IO/SCT
DOE PASS AMMONS AND MCCLARY, IA

E.O. 11652: N/A
TAGS: AORG, OCON, IAEA, TECH
SUBJECT: IAEA ADVISORY GROUP MEETING ON NUCLEAR
DATA FOR REACTOR DOSIMETRY, VIENNA, NOVEMBER 13-15,
1978

1. MISSION HAS RECEIVED AGENCY LETTER NOTING THAT
SUBJECT MEETING WILL BE CONVENED WITHIN FRAMEWORK OF
IAEA PROGRAMS ON STANDARDIZATION OF REACTOR RADIATION
MEASUREMENTS AND BENCHMARK NEUTRON FIELDS APPLICATIONS
FOR REACTOR DOSIMETRY, WHOSE MAJOR OBJECTIVE IS TO
IMPROVE ACCURACY OF NEUTRON CROSS-SECTION DATA FOR
REACTOR NEUTRON DOSIMETRY.

2. AT IAEA CONSULTANTS MEETING ON INTEGRAL CROSS-
SECTION MEASUREMENTS IN STANDARD NEUTRON FIELDS FOR
REACTOR DOSIMETRY HELD IN NOVEMBER 1976, IT WAS
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RECOMMENDED TO USE THE ENDF/B DOSIMETRY FILE OF THE
UNITED STATES AS A REFERENCE SET. IT HAS SINCE
BECOME EVIDENT, HOWEVER, THAT A MORE COMPREHENSIVE
AND MORE ACCURATE FILE OF INTERNATIONALLY
RECOMMENDED NEUTRON CROSS-SECTION DATA IS NEEDED TO
SATISFY THE REQUIREMENTS OF THE NEUTRON DOSIMETRY
COMMUNITY. IN THIS CONNECTION, THE MAIN PURPOSE OF

SUBJECT MEETING WILL BE TO CONSIDER THE PREPARATION OF THE FIRST VERSION OF AN INTERNATIONALLY RECOMMENDED NEUTRON CROSS-SECTION DATA FILE FOR DOSIMETRY APPLICATIONS, AND TO REVIEW THE STATUS OF:

A) REACTOR DOSIMETRY NEUTRON DATA MEASUREMENTS AND EVALUATIONS;

B) SPECTRAL CHARACTERIZATIONS OF DOSIMETRY BENCHMARK NEUTRON FIELDS;

C) INTEGRAL NEUTRON CROSS-SECTION MEASUREMENTS IN BENCHMARK NEUTRON FIELDS;

D) DIFFERENTIAL-INTEGRAL DATA CONSISTENCY AND PROGRESS IN THE ADJUSTMENT OF DIFFERENTIAL NEUTRON DATA ON THE BASIS OF INTEGRAL EXPERIMENTS.

MEETING WILL ALSO CONSIDER THE PURPOSE, CONTENTS, AND STRUCTURE OF THE INTERNATIONAL FILE AND OTHER RELATED MATTERS. LETTER ENCLOSES TENTATIVE PROGRAM FOR THE MEETING.

3. RECOGNIZING U.S. INTEREST IN THIS FIELD, AGENCY INVITES FOLLOWING SCIENTISTS TO PARTICIPATE:

A) DR. W. N. MCELROY, HANFORD ENGINEERING DEVELOPMENT UNCLASSIFIED

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LABORATORY, RICHLAND, WASHINGTON. DR. MCELROY IS EXPECTED TO PREPARE A PAPER ON "THE INTERNATIONALLY RECOMMENDED NEUTRON CROSS-SECTION DATA FILE FOR DOSIMETRY APPLICATIONS: PURPOSE, CONTENTS, STRUCTURE, ERROR FILE".

B) DR. J. GRUNDL, NATIONAL BUREAU OF STANDARDS, WHO COULD PRESENT THE PAPERS ON "STATUS OF FUNDAMENTAL NEUTRON SPECTRA (U-235 THERMAL NEUTRON INDUCED FISSION NEUTRON SPECTRUM AND CF-252 SPONTANEOUS FISSION NEUTRON SPECTRUM)" AND "SPECTRAL CHARACTERIZATION OF OTHER DOSIMETRY BENCHMARK NEUTRON FIELDS: PROGRESS SINCE NOVEMBER 1976".

C) MR. B. BAGURNO, NATIONAL NUCLEAR DATA CENTER, BROOKHAVEN NATIONAL LABORATORY, WHO WILL REPORT ON "STATUS OF THE ENDF/B-V DOSIMETRY FILE".

D) DR. D. SMITH AND/OR DR. L. GREENWOOD, ARGONNE NATIONAL LABORATORY. DR. SMITH COULD PREPARE A PAPER ON "STATUS OF DATA FOR IMPORTANT REACTIONS NOT INCLUDED IN ENDF/B-V DOSIMETRY FILE: RECENT

MEASUREMENTS AND EVALUATIONS", DESCRIBING THE PROGRESS
MADE IN USA. DR. GREENWOOD COULD PREPARE PAPERS ON
"ACCELERATOR-BASED DOSIMETRY BENCHMARKS" AND "REVIEW
OF THE MEASUREMENTS AT HIGHER ENERGIES FOR FAST
REACTOR DOSIMETRY AND CTR".

4. AGENCY OFFERS TO PROVIDE TRAVEL AND PER DIEM
EXPENSES FOR TWO OF THE FOREGOING PARTICIPANTS.
COMMENT: SINCE SUBJECT MATTER OF MEETING PERTAINS
PRIMARILY TO INTERESTS OF DEVELOPED COUNTRIES, MISSION
QUESTIONS DESIRABILITY OF USING "COST FREE EXPERT

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FUNDS" TO SEND OTHER EXPERTS TO THIS MEETING. WE
ASSUME, THEREFORE, THAT OTHER EXPERTS PARTICIPATING
AT NO REPT NO EXPENSE TO AGENCY WOULD DO SO AT THE
EXPENSE OF THEIR OWN ORGANIZATIONS. END COMMENT.

5. COPY OF AGENCY LETTER AND AGENDA POUCHED MCCLARY/
DOE PLEASE ADVISE. KIRK

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Message Attributes

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Disposition Reason:
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